

**WHAT IS CLAIMED IS:**

1. An operation processing method for treating a three sectional housing as one processing unit, wherein;

the three sectional housing is structured by comprising a first section in which each kind of group of input elements for the phenomena to be made into a model is arrayed as a tenant in one line or one column, a second section in which an output elements group having a causal relationship with each individual tenant arranged in said first section is arrayed as a tenant in 1 column or 1 line and a third section in which logic revealing the respective relationships of each tenant arrayed in said first section and each tenant arrayed in said second section is arrayed as a tenant on a grid, such that, where a tenant exists that is common to both said first section and said second section, an output elements group obtained by a tenant of said second section is taken as an input elements group of a tenant that is common with said first section, and one or more lower rank housings can be nested hierarchically to provide tenants for each section of the three sectional housing;

when there is a lower rank housing forming tenants in the first section and the second section of an upper rank three sectional housing commonly, in accordance with the operation sequence of that upper rank three sectional housing information is passed to the lower rank housing being the tenant of that second section, and the operation of that upper rank three sectional housing continues using the result of the operation of the lower rank housing as information of the concerning tenant of the first section of the upper rank three sectional housing;

when there is a lower rank housing forming a tenant only in the first section of the upper rank three sectional housing, prior to commencement of an operation for the concerning tenant for that upper rank three sectional housing, a lower rank housing operation is performed and using the results of that lower rank housing operation as the information on the concerning tenant of the upper rank three sectional housing, the operation for that upper rank three sectional housing continues;

and when there is a lower rank housing forming a tenant only in the second section of the upper rank three sectional housing in accordance with the operation sequence of the upper rank three sectional housing information is passed to the lower rank housing forming the tenant of that second section, and the result of the operation performed of that lower rank housing is taken as information of the concerning tenant of the upper rank three sectional housing.

2. The operation processing method according to claim 1 wherein the lower ranking housing is itself one three sectional housing, information from the upper rank three sectional housing is taken as information of the first section, and information obtained in the second section can be passed to the upper rank three sectional housing.

3. The operation processing method according to claim 1 wherein the lower rank housing is single sectional housing for which input and output element groups are arranged respectively as tenants in one line or one column but where these themselves do not require execution of an operation.

4. The operation processing method according to claim 3 wherein said single sectional housing can nest a further different single sectional housing or three sectional housing as a tenant.

5. The operation processing method according to claim 1 wherein when a lower rank housing is nested as a tenant of the third section of the upper rank three sectional housing, a table for passing information between a tenant corresponding to the first section of that upper rank three sectional housing and a tenant corresponding to the second section of that upper rank three sectional housing is registered in said lower rank housing, information from the tenant corresponding to the first section of the upper rank three sectional housing is passed to the lower rank housing and the result of an operation of the lower rank housing

is taken as information of a tenant corresponding to the second section of the upper rank three sectional housing.

6. The operation processing method according to claim 5 wherein when a different lower rank three sectional housing is nested as a tenant corresponding to said second section, information is passed to a tenant of the first section but not of the second section of the lower rank three sectional housing.

7. The operation processing method according to claim 1 wherein  
information identifying each tenant coordinated to the housing structure and the arrangement thereof can be displayed on screen as a rooming table, each tenant can be registered or the contents thereof can be edited by a user operating in said rooming table displayed on screen, and

for a lower rank housing, a different rooming table can be displayed on screen for each concerning tenant specified by the user allowing the user to register a tenant or edit the contents of a tenant in the lower rank housing.

8. A program for executing in a computer any of the methods according to claim 1 through claim 6.

9. An operation processing device which comprises an operation means for treating a three sectional housing as one processing unit in which the three sectional housing is structured by comprising a first section in which each kind of group of input elements for the phenomena to be made into a model is arrayed as a tenant in one line or one column, a second section in which an output elements group having a causal relationship with each individual tenant arranged in said first section is arrayed as a tenant in 1 column or 1 line and a third section in which logic revealing the respective relationships of each tenant arrayed in said first section and each tenant arrayed in said second section is arrayed as a

tenant on a grid, such that, where a tenant exists that is common to both said first section and said second section, an output elements group obtained by a tenant of said second section is taken as an input elements group of a tenant that is common with said first section, and lower rank housings can be nested hierarchically to provide tenants for each section of the three sectional housing, wherein;

the operation means includes;

means that, when there is a lower rank housing forming a tenant in the first section and the second section of an upper rank three sectional housing commonly, operates in accordance with the operation sequence of the upper rank three sectional housing to pass information to the lower rank housing being a tenant of that second section and continues the operation of the upper rank three sectional housing using the result of the operation of the lower rank housing as information of the concerning tenant of the first section of the upper rank three sectional housing;

means that, when there is a lower rank housing forming a tenant only in the first section of the upper rank three sectional housing, operates to perform an operation for a lower rank housing prior to commencement of an operation for the concerning tenant for that upper rank three sectional housing and to continue the operation of that upper rank three sectional housing using the results of that lower rank housing operation as the information on the concerning tenant of the upper rank three sectional housing; and

means that, when there is a lower rank housing forming a tenant only in the second section of the upper rank three sectional housing, operates in accordance with the operation sequence of the upper rank three sectional housing to pass information to the lower rank housing forming the tenant of that second section, and to take the result of the operation of that lower rank housing as information of the concerning tenant of the upper rank three sectional housing.